

# Nio Color 3MP Dental (MDNC-3521 Option DE)



- Shows sharp, bright dental images
- Reveals more details
- A++ ecolabel thanks to high energy efficiency

Our Nio Color 3MP dental display has everything it takes for dental specialists. It brings sharp and bright images to the diagnostic reading room so you can quickly visualize concealed anatomic structures and easily detect dental abnormalities. The Nio Color 3MP is available with and without cover.

## An accurate diagnosis

The Nio Color 3MP dental display has been designed specifically for use in the dental reading room. For endodontic treatment, for example, visualization of small details is essential for a swift and correct diagnosis and an accurate treatment plan. Even when used in different ambient light conditions, the Nio Color 3MP display will provide you with crisp, high-contrast detail, enabling an accurate treatment planning.

## Planning with confidence

Thanks to the integrated uniformity technologies, subtle abnormalities or concealed anatomical structures in the oral and maxillofacial region can be visualized without imperfections or screen noise. While keeping the brightness steady over time, you can make accurate decisions.

In the case of oral surgery, it means critical structures can be more visible, which is crucial when planning for dental implant placement, for example. Detailed visualization of the bone structure, accurate localization of nerves and arteries all contribute to the success and safety of the procedure.

## Models

- Nio Color 3MP dental with protective cover
- Nio Color 3MP without cover

**Product specificaties****NIO COLOR 3MP DENTAL (MDNC-3521 OPTION DE)****Algemene specificaties**

Schermt technologie	IPS-SFT Color LCD
Actieve schermgrootte (diagonaal)	541 mm (21.3")
Actieve schermgrootte (H x V)	433 x 325 mm (17.1 x 12.8")
Beeldverhouding (H:V)	4:3
Resolutie	3MP (2048 x 1536 pixels)
Pixelpitch	0.2115 mm
Kleurweergave	Yes
Grijsbeeld	Yes
Bitdiepte	30 bit
Kijkhoek (H, V)	178°
Uniformiteitscorrectie	ULT
SteadyGray	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
SteadyColor	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
RapidFrame	Yes
Voorinstellingen voor omgevingslicht	Yes, reading room selection
Omgevingslichtsensor	Yes
Sensor vooraan	Yes, I-Guard
Aanwezigheidssensor	Yes
Maximale luminantie (typisch paneel)	1050 cd/m <sup>2</sup>
DICOM-gekalibreerde luminantie	600 cd/m <sup>2</sup>
Contrastverhouding (paneeltypisch)	2000:1
Reactietijd ((Tr + Tf)/2) (typisch)	12 ms (gray-to-gray average)
Kleur behuizing	Black (RAL 9004) / White (RAL 9003)
Video-ingangssignalen	2x DisplayPort 1.4
Video-uitgangssignalen	N/A
USB-poorten	2x USB-B 2.0 upstream (endpoint) 5x USB-A 2.0 downstream (of which 1 charge port)
KVM-schakelaar	Yes
Nominaal vermogen	24 VDC, 4 A
Stroomvereisten	This device shall only be powered by the medical approved power supply of Adapter Technology Co., Ltd., type ATM160T-P240. Ratings marked on the power supply: <ul style="list-style-type: none"> <li>■ Input: 100-240 VAC, 1.8-0.9 A, 50-60 Hz</li> <li>■ Output: 24 VDC, 6.6 A</li> </ul>
Energieverbruik	45 W (nominal) < 0.35 W (hibernate) < 0.30 W (switched off)
Afmetingen incl. steun (B x H x D)	Portrait: 351 x 531~631 x 225 mm Landscape: 491 x 462~562 x 225 mm
Afmetingen zonder steun (B x H x D)	Portrait: 351 x 491 x 64 mm Landscape: 491 x 351 x 64 mm
Afmetingen verpakt (B x H x D)	455 x 210 x 770 mm
Nettogewicht met steun	8.8 kg
Nettogewicht zonder standaard	5.8 kg
Nettogewicht verpakt	12.2 kg (without optional accessories)
Kantelen	-10° to +30°
Zwenking	-30° to +30°
Scharnieren	90°
Bereik hoogteverstelling	100 mm
Montage standaard	VESA (100 mm)
Schermbescherming	Protective, anti-reflective front glass
Aanbevolen modaliteiten	All digital images, except digital mammography

## Product specificaties

## NIO COLOR 3MP DENTAL (MDNC-3521 OPTION DE)

### Certificeringen

CE0123 (Medical Device) FDA 510(k) K230520 CCC (China), KC (Korea), BSMI (Taiwan), INMETRO (Brazil -Product numbers K9300390A1X, K9300391A1X), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) Safety specific:

- IEC 60950-1:2005+A1:2009+A2:2013
- EN 60950-1:2006+A1:2010+A11:2009+A12:2011+A2:2013
- IEC 62368-1:2018
- EN IEC 62368-1:2020+A11:2020
- IEC 60601-1:2005+A1:2012+A2:2020
- EN 60601-1:2006+A1:2013+A12:2014+A2:2021/li>
  
- AAMI ES 60601-1:2005+A1:2012+A2:2021
- CAN/CSA C22.2 No. 60601-1:2014 (Reaffirmed 2022)

### EMI specific

- IEC 60601-1-2:2014+A1:2020 (Ed.4.1)
- EN 60601-1-2:2015+A1:2021 (Ed.4.1)
- FCC part 15 Class B
- ICES-001 Level B
- VCCI (Japan)

Environmental: EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive

### Meegeleverde accessoires

- User Guide
- Documentation disc
- System sheet
- Video cables
- Mains cable(s)
- USB cable
- External power supply

### Optionele accessoires

Display controller

### QA-software

QAWeb Enterprise

### Garantie

5 years, including 20000 hours backlight warranty

### Bedrijfstemperatuur

0 °C to 35 °C (20 °C to 30 °C within specs)

### Opslagtemperatuur

-20 °C to 60 °C

### Luchtvochtigheid bedrijf

8 % to 80 % (non-condensing)

### Luchtvochtigheid opslag

5 % to 85 % (non-condensing)

### Bedrijfsdruk

70 kPa minimum

### Opslagdruk

50 to 106 kPa

Laatst bijgewerkt: 11 Sep 2024

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